

Counts per 50 MeV/c<sup>2</sup>

**This thesis**

ALICE MC, Pb-Pb  $\sqrt{s_{NN}} = 5.02$  TeV  
 $-4.00 < y < -2.50$ ,  $p_T < 0.25$

$\chi^2/\text{NDF}$ : 0.918

$N_{J/\psi} = 4199 \pm 84$

$N_{\psi(2S)} = 146 \pm 30$

$N_{\psi(2S)}/N_{J/\psi} = 0.0348 \pm 0.0068$

$N_{bg}(2,6) = 5765 \pm 100$

$N_{bg}(3.50,3.90) = 635 \pm 11$

# Entries = 10110

$m_{\mu^+\mu^-}$  (GeV/c<sup>2</sup>)

